

INDIVIDUAL HOG HOUSE

Excellent Type of Structure Used at Government Farm.

Structure Presents Very Attractive Appearance and Has Proved Satisfactory in Service—Details of Construction.

There are numerous forms of individual hog houses constructed to be portable and adapted to accommodate a sow with pigs, or two or three hogs. Almost every portable house that is built possesses certain features peculiar to itself and rendered necessary by the circumstances which it is intended to meet. The type of hog house described here has been successfully used on the government experimental farm at Beltsville, Md.



Front and End View of Portable Hog House; Roof Open for Sunshine, Back Open for Shade.

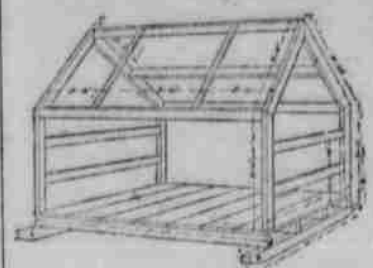
This house presents a very attractive appearance and has proved satisfactory in general service. It is simple in construction and possesses all the essentials of an ideal hog house.

It can be moved from place to place whenever desired. The perpendicular walls furnish plenty of floor space, which can be used to good advantage. The doors, ventilators, and roof are so arranged as to provide for ample fresh air and shade. The wires fastened to the roof and lying on it serve to hold up the back for ventilation and to shade the ground. The back is swung open and the hooks that hold it shut are hooked in these pieces of wire. In the winter the house can be closed to shut out the cold winds and the roof opened to give fresh air and sunlight to the interior.

In moving the house a good way is to take a chain or a strong rope and fasten it to the runners through the holes bored for the purposes, fasten

to a clevis, hitch on a team, and take the house wherever desired.

The runners are the foundation of the house and should be of sufficient dimension (3 by 6 inches) to hold the house well off the ground. Wood which is short-lived and decays when

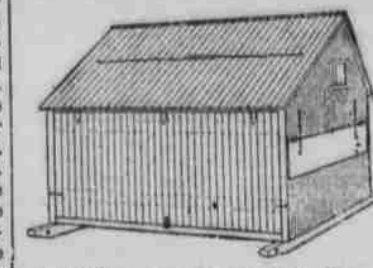


Perspective of Portable Hog House, Showing Framing Details.

placed in contact with the ground can not be recommended. The more durable woods are fir and cypress. Two joists are used to stiffen the floor, so 1-inch material is of sufficient thickness to make a good floor. The frame is built of 2 by 4-inch material.

The house is covered with 3/4 by 2-inch tongued-and-grooved pine boards, which is very tight and sheds water. Ten-inch shiplap could be used satisfactorily and will reduce the cost of building the house. A satisfactory fender is made by fastening 2 by 4-inch pieces flatwise 6 inches from the floor. Fenders are absolutely necessary for the protection of the young pigs.

Paint will aid in prolonging the life of the house as well as improving the



Back View of Portable Hog House, Showing the Ventilator and Back Closed.

appearance. Any good paint which will stand the weather will be satisfactory, but two coats should be given to thoroughly cover the wood. The inside of the house can be given a good coating of whitewash. This will give it a clean and sanitary appearance.

Manure adds plant food to the soil, and it also improves the texture or physical condition of the soil. This latter effect is often its greatest value. If one wants mere plant food alone, he may often do better to add it in

CROWN GALL IS INFECTIOUS

Communicated From Tree to Tree and From One Plant to Another—Many Plants Affected.

Crown gall is an infectious disease and can be communicated from tree to tree and from one plant family to another. A partial list of the plants upon which it occurs naturally and upon which it has been produced by laboratory inoculation includes the daisy, tomato, potato, carnation, peach, rose, cabbage, grape, hop, sugar beet, turnip, red beet, carrot, radish, chrysanthemum, oleaner, marigold, pyrethrum, almond, clover, white poplar, Persian walnut, gray poplar, cotton, alfalfa, raspberry, geranium, apple, willow, quince and tobacco.

Money Wasted. No use working hard and scrimping to buy a nice thing for the farm or home and then let it spoil out in the wet, or use it as if it had no feelings.

STRIDES IN EGG PRODUCTION

Delaware Station Poultrymen Confronted With Hen Which Laid 314 Eggs in 365 Days.

Not very many years ago the 200-egg hen made her appearance. She was not greeted with open arms by poultrymen, but was rather considered to be a freak—an exceptional being that would not perpetuate her kind. Her cool reception, however, was no more than over before the 200-egg hen became a "common" occurrence. In the four Missouri egg-laying contests 249 hens (or 10%) laid 200 eggs or over. The individual record last year went to a Buff Wyandotte with 257; in the Connecticut contest, a Rhode Island Red laid 257 eggs in the same period.

But with the close of the Philadelphia-North American contest at the Delaware station poultrymen are confronted with a hen which laid 314 eggs in 365 days; Oregon hens have also produced over 300 eggs in a year. How is the 200-egg hen being re-

THE BUILDING OF A COUNTRY

The Natural Pride of Those Who Take Part in It.

To those who have built railroads through and across the prairies of Western Canada, connecting that great empire of grain and cattle, horse and sheep with the world's markets in the east, must be awarded the privilege of looking upon their work, and its results with pardonable pride. If they remembrance, and tell of the hardships and the privations, why shouldn't they? The broad prairies on which the buffalo roamed and fed, are now alive with cities, towns and villages. Farms—large and small—on which machinery has chased the bugaboo of laborious work off the farm, and making farm life one of the most pleasant and prosperous of occupations—are being cultivated by men of the highest stamp of manhood. Many of these have inherited from their forebears the physical strength and the high type of manliness that was theirs in the days when they hewed their homes out of the virgin forest, and made them what may be seen today, beautiful farms in the east. On the whole the western prairies breed a high type of manhood, wrest from him faults and diseases which would be his were it not for the upbuilding influence and character of prairie life.

When the builder of the western Canadian prairie looks upon the result of his work, why shouldn't his chest expand? It was probably some of this feeling of pride that took possession of Sir Donald Mann, vice president of the Canadian Northern Railway the other day in Winnipeg, when he said: "I am not in the habit of giving advice, but I have no hesitation of advising the young men of Canada, every young man, to get out and get a piece of western Canada's land that now can be had for the asking and be their own masters."

"It was 36 years ago when I first came to Winnipeg," he said. "At that time there were less than 150,000 people west of Lake Huron in Canada, and the only bit of railway in operation was between St. Boniface and Emerson—about sixty miles. Today there are nearly 20,000 miles of railway in actual operation and the population is over two and a quarter million, a wonderful achievement in such a short period you will agree, when you have contemplated it a moment."

"At that time all the flour, meat and many other supplies for our contracts were brought from the States. Now consider what the west is doing today. You have a grain production exceeding a billion bushels and yet only a comparatively small area of the tillable land of the country is occupied. Five years hence you will be more than doubling that."—Advertisement.

Pressing Need. Mistress—What do we need for dinner?

Servant—Sure, ma'am, an' I've tripped over the rug an' we need a new set of dishes.—Philadelphia Evening Ledger.

WOMEN SUFFERERS NEED SWAMP-ROOT

Thousands upon thousands of women have kidney and bladder trouble and never suspect it.

Women's complaints often prove to be nothing else but kidney trouble, or the result of kidney or bladder disease.

If the kidneys are not in a healthy condition, they may cause the other organs to become diseased.

You may suffer a great deal with pain in the back, headache, loss of ambition, nervousness and may be despondent and irritable.

Don't delay starting treatment. Dr. Kilmer's Swamp-Root, a physician's prescription, obtained at any drug store, restores health to the kidneys and is just the remedy needed to overcome such conditions.

Get a fifty cent or one dollar bottle immediately from any drug store.

However, if you wish first to test this great preparation send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample bottle. When writing be sure and mention this paper.—Adv.

One Exception. Mrs. Placidia—I don't care if I'm not pretty. Beauty's only skin deep. Her Husband—Not with potatoes.

PREPAREDNESS

To Fortify The System Against Grip when Grip is prevalent LAXATIVE BROMO QUININE should be taken as this combination of Quinine with other ingredients destroys germs, acts as a Tonic and Laxative and thus keeps the system in condition to withstand Colds, Grip and Influenza. There is only one "BROMO QUININE." E. W. GROVE'S signature on box, 75c.

Any woman may drive her husband to drink, but she can't make him take water.

RAINFALL EFFECTS ON YIELD

There Are Many Practical Methods of Holding Spring Rains Which Are Usually Abundant.

The amount of rainfall during July and August practically determines the size of the corn and root crops. If the rainfall is below normal or below the requirements of these crops, the yield is cut short, and in some instances a failure. It is also a well-known fact that even in years of insufficient rainfall, some farmers grow crops above the average.

As farmers, we cannot change the amount of rainfall by any methods that are practicable. But there are practical methods of holding the spring rains which are usually abundant. Of these methods deep plowing, thorough harrowing and rolling before planting is by far the best and most practical. If cultivation is given at the right time and is thorough, the ground will be so deep, finely pulverized, not only on the surface, but several inches below the surface, that it will be capable of holding a large amount of water. The fine top soil will act as a mulch to prevent evaporation in hot weather. Farmers are coming to see the importance of having a thick grass and clover sod, which may be plowed in the fall or in the early spring, for their corn and potatoes.

The three-horse plow, the steel disk and the spring harrow will make a deep, mellow bed for the roots to spread out and run deep for their plant food and moisture needed to make the grain and the roots.

DEEP STORAGE OF MOISTURE

Soil Must Be Kept in Absorptive, Spongelike Condition—Compact Soil Is Harmful.

(By H. D. SCHLUDER, Oregon Experiment Station.)

Deep storage of moisture, requisite to successful dry farming, can be secured only by keeping the surface soil in an absorptive, spongelike condition. This should be continued as far as possible through the entire precipitation period, by good preparation of the soil.

Plowing and disking and increasing the humus content of the soil are the chief means of keeping the surface conditions favorable, permitting the moisture to strike in both by percolation and capillary attraction downward. If the surface soil is closely compacted during winter and early spring the surface water runs off, damaging the surface by washings and the subsoils by keeping them dry. Roots of corn grown on soils in this condition lack the moisture and feeding area to be secured in dry farming countries chiefly from deeply-stored moisture.

GOOD ALFALFA NURSE CROP

Light Seeding of Not Over One Bushel of Barley or Oats Per Acre Is Highly Important.

Especially on fields which have grown alfalfa successfully seeding with a nurse crop gives good results. Fall plow if the land is not too hilly and washing is apt to occur. If spring plowed the soil should be rolled after seeding so as to make a compact seedbed, which is very essential for the alfalfa. A light harrowing after rolling is necessary to form a loose mulch which prevents rapid drying and evaporation.

A light seeding of not over one bushel of barley or oats per acre is highly important. Heavy seedings of the nurse crop are very dangerous and usually crowd the alfalfa so as to stunt its development and a poor stand results. If barley is used as a nurse crop it may be cut for grain. Oats ripen later and must be cut for hay so as not to check the growth of the alfalfa.

INFERTILE EGGS KEEP BEST

Cockerel Is in the Way Unless Eggs Are Wanted for Hatching—Fertile Egg Soon Spoils.

It has been demonstrated time and time again that fertile eggs do not remain usable so long as infertile eggs. Infertile eggs are laid by hens that do not have a rooster running with them.

These eggs, that is infertile eggs, will not hatch. The rooster makes the fertile egg, but he does not help the hen to lay.

A fertile egg is not perfect for food after being incubated at 103 degrees F. for 24 hours, but an infertile egg is still usable as food after being kept at 103 degrees F. for seven days.

Segregate Fattening Sheep. The fattening lambs, wethers and ewes that are to be turned off should be separated from the breeding stock.

For Removing Warts. Good castor oil or goose grease will remove warts from animals or cows' tails.

INDIGESTION, GAS OR SICK STOMACH

Time it! Pape's Diapepsin ends all Stomach misery in five minutes.

Do some foods you eat hit back—taste good, but work badly; ferment into stubborn lumps and cause a sick, sour, gassy stomach? Now, Mr. or Mrs. Dyspeptic, let this down: Pape's Diapepsin digests everything, leaving nothing to sour and upset you. There never was anything so safely quick, so certainly effective. No difference how badly your stomach is disordered you will get happy relief in five minutes, but what pleases you most is that it strengthens and regulates your stomach so you can eat your favorite foods without fear.

You feel different as soon as "Pape's Diapepsin" comes in contact with the stomach—distress just vanishes—your stomach gets sweet, no gases, no belching, no eructations of undigested food.

Go now, make the best investment you ever made, by getting a large fifty-cent case of Pape's Diapepsin from any store. You realize in five minutes how needless it is to suffer from indigestion, dyspepsia or bad stomach. Adv.

Leading Question.

In a school for feeble-minded children a naughty young teacher was one day counting out her money, whilst standing at her desk facing her class. Presently one of the youngsters, who had been watching the proceedings with undisguised interest, broke out: "Please, miss, is them your wages?"

Darting a glance of indignation at the inquisitive boy, she remarked with curt displeasure: "Yes."

"Oh," said the boy, with wide-opened eyes and mouth, "when does ye wark for 'em?"

THE PROFESSOR'S STATEMENT.

Prof. Aug. F. W. Schmitz, Thomas, Okla., writes: "I was troubled with Backache for about twenty-five years. When told I had Bright's Disease in its last stages, I tried Dodd's Kidney Pills. After using two boxes I was somewhat relieved and I stopped the treatment. In the spring of the next year I had another attack. I went for Dodd's Kidney Pills and they relieved me again. I used three boxes. That is now three years ago and my Backache has not returned in its severity, and by using another two boxes a little later on, the pain left altogether and I have had no trouble since. You may use my statement. I recommend Dodd's Kidney Pills when and wherever I can." Dodd's Kidney Pills, 50c. per box at your dealer or Dodd's Medicine Co., Buffalo, N. Y.—Adv.



Preparedness. The bride went into the kitchen of their new home and returned shoddy carrying a rolling pin and a flatiron, which she laid beside her twin bed. "What in the world are you doing?" asked the astonished groom. "You aren't afraid I'll beat you, are you?" "I am not afraid of anything," answered his bride. "I have not the least suspicion that you will ever be anything but sweet and kind to me. But I am a firm advocate of preparedness."—Paterson Press-Guardian.

Weeks' Break-Up-A-Cold Tablets

A guaranteed remedy for Colds and La Grippe. Price 25c of your druggist. It's good. Take nothing else.—Adv.

Police, like rainbows, are apt to appear after the storm is over.

Not Gray Hairs but Tired Eyes make us look older than we are. Keep your eyes young and you will look young. After the Movies Murine Your Eyes. Don't tell your age. Murine Eye Remedy Co., Chicago. Send Eye Book on request.

Remorse and economy are always faithful followers of the races.

Don't be misled. Ask for Red Cross Bag Blue. Makes beautiful white clothes. At all good grocers. Adv.

Don't think because a woman is outspoken that she can be outtalked.

Dr. Pierce's Pleasant Pellets are the original little liver pills put up 40 years ago. They regulate liver and bowels.—Adv.

A little nonsense is always appreciated by the man who is not the target of the joke.

Piles Cured in 6 to 14 Days. Druggists refund money if PAIN EXTRACT fails to cure itching, burning, bleeding or protruding Piles. Wires application gives relief. 50c.

Happiness is the ever returning summit on the hill of ambition.